```
07:42:00        CLR  Call Monitor: Call RSSI value
4113    Source: 6         CCP0
                    (407)3250010 cell 201 frssi -81 rrssi -83 attn 2
fber 0 rber 0              Object: 20         A        TC 780
                     Class: XXXXXXXXXXXXX
Domain:2                   BTS:1  Chassis:     Slot:0    Port:
007:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 32/-97 202/-113 491/-103
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
07:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 412/-87 323/-109 203/-103
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
007:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                   (407)3250010 Cell id / RSSI: 1353/-113
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
07:42:01       CLR  Call Monitor: Call RSSI value
4113    Source: 6         CCP0
                    (407)3250010 cell 201 frssi -81 rrssi -84 attn 2
fber 0 rber 0              Object: 20         A        TC 780
                     Class: XXXXXXXXXXXXX
Domain:2                   BTS:1  Chassis:     Slot:0    Port:
007:42:01       CLR  Call Monitor: Call Handoff has taken place
4104    Source: 2         CCP0
                   Ph#:(407)3250010 Handoff from  201 to   32
Object: 3          B        TC 755
                     Class: XXXXXXXXXXXXX
Domain:1                   BTS:2  Chassis:     Slot:0    Port:
07:42:01       CLR  Call Monitor: Call Path Assigned
4101    Source: 2         CCP0
                   Ph#:(407)3250010 Handin connect E1: 0, 7 T1: 0, 4
755 TDMA-3            Object: 3          B        TC 755
                     Class: XXXXXXXXXXXXX
Domain:1                   BTS:2  Chassis:     Slot:0    Port:
007:42:01       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 32/-97 202/-113 491/-101
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
```

Figure 1

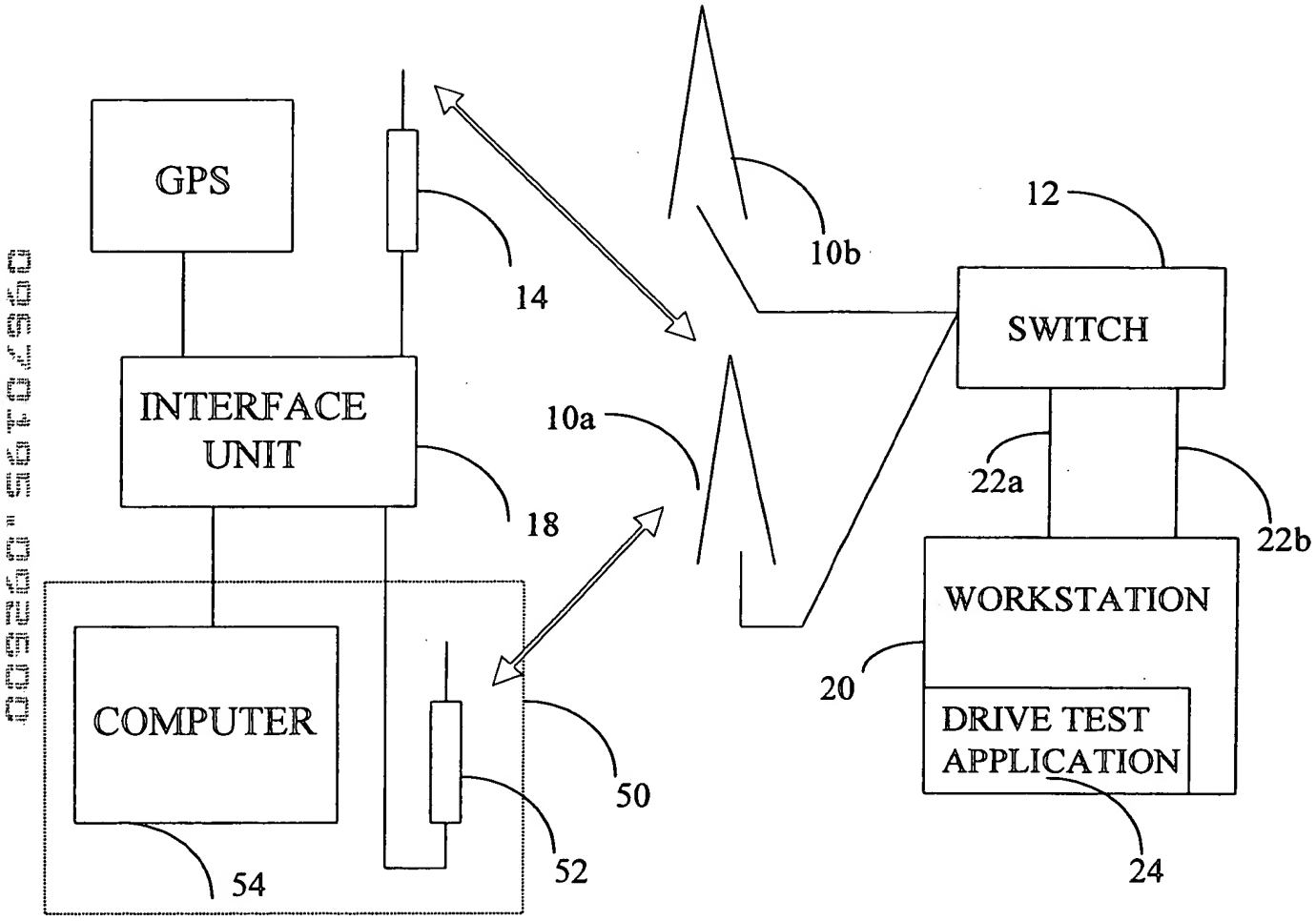
GPS
14
10b
12
SWITCH
INTERFACE UNIT
10a
22a
22b
18
WORKSTATION
20
COMPUTER
DRIVE TEST APPLICATION
50
52
54
24

Figure 2

STANDARD FILE FORMAT

Subscriber Number
Serving cell site
Channel
Channel type
Mobile power
$F_RSSI_1, F_RSSI_2, \ldots, F_RSSI_n$
$R_RSSI_1, R_RSSI_2, \ldots, R_RSSI_n$
$F_BER_1, F_BER_2, \ldots, F_BER_n$
$R_BER_1, R_BER_2, \ldots, R_BER_n$
$Call_event_1, Call_event_2, \ldots, Call_event_n$
$NEIGHBOR_RSSI_1, NEIGHBOR_RSSI_2, \ldots, NEIGHBOR_RSSI_n$
$TimeStamp_1$, $Lat/Long_1$, ..., $TimeStamp_n$, $Lat/Long_n$
:
:
:

Figure 3

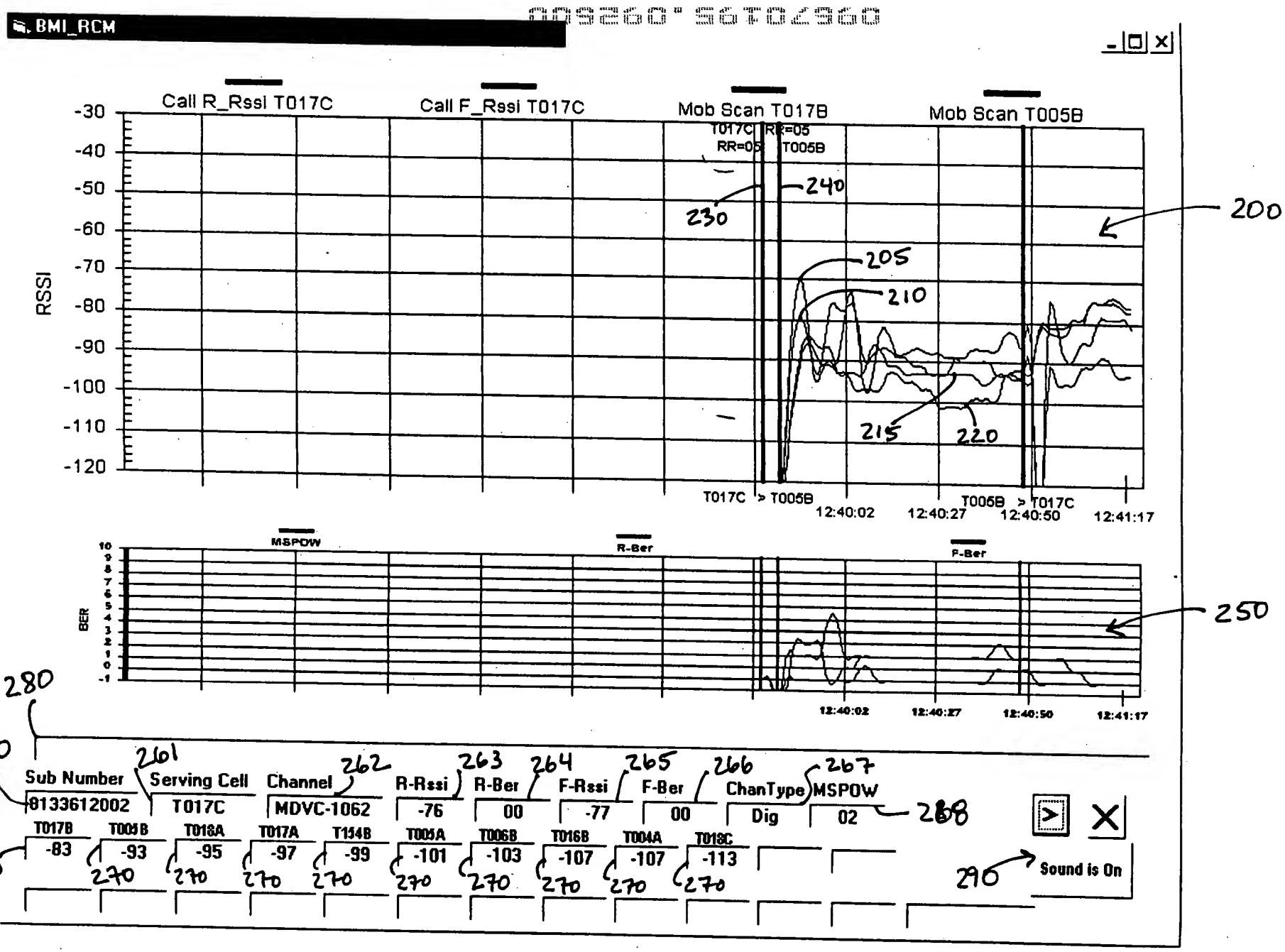
BMI_RCM
Call R_Rssi T017C
Call F_Rssi T017C
Mob Scan T017B
Mob Scan T005B
RSSI
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
T017C RR=05
T005B
240
230
200
205
210
215
220
T017C > T005B
T005B > T017C
12:40:02
12:40:27
12:40:50
12:41:17
MSPOW
R-Ber
F-Ber
BER
250
280
260
261
262
263
264
265
266
267
Sub Number
Serving Cell
Channel
R-Rssi
R-Ber
F-Rssi
F-Ber
ChanType
MSPOW
8133612002
T017C
MDVC-1062
-76
00
-77
00
Dig
02
268
T017B
T005B
T018A
T017A
T114B
T005A
T006B
T016B
T004A
T018C
-83
-93
-95
-97
-99
-101
-103
-107
-107
-113
270
290
Sound is On

Figure 4a

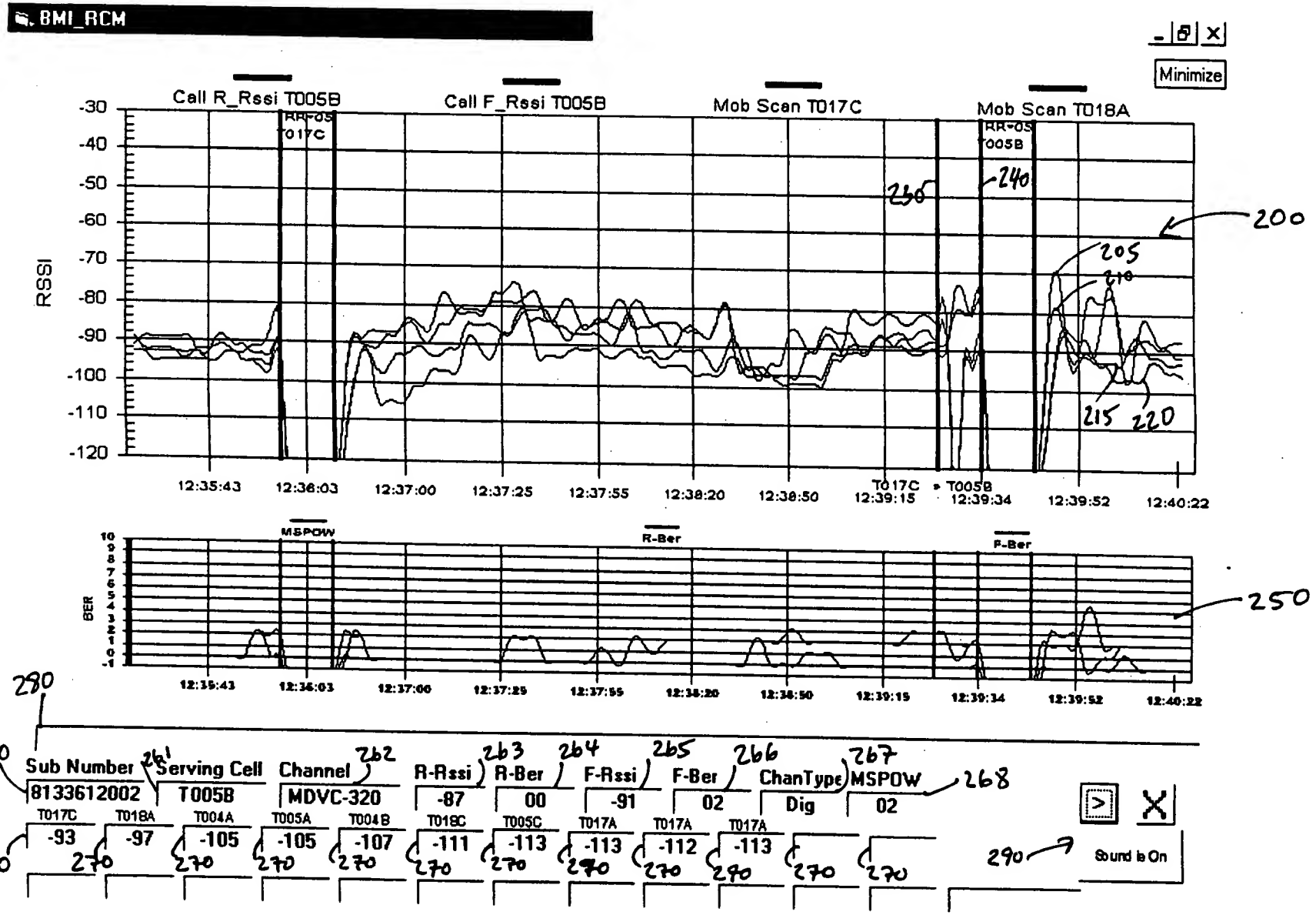
BMI_RCM
Minimize
Call R_Rssi T005B
Call F_Rssi T005B
Mob Scan T017C
Mob Scan T018A
RSSI
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
12:35:43
12:36:03
12:37:00
12:37:25
12:37:55
12:38:20
12:38:50
12:39:15
12:39:34
12:39:52
12:40:22
T017C
T005B
MSPOW
R-Ber
F-Ber
BER
Sub Number
Serving Cell
Channel
R-Rssi
R-Ber
F-Rssi
F-Ber
ChanType
MSPOW
8133612002
T005B
MDVC-320
-87
00
-91
02
Dig
02
T017C
T018A
T004A
T005A
T004B
T018C
T005C
T017A
T017A
T017A
-93
-97
-105
-105
-107
-111
-113
-113
-112
-113
Sound is On
200
205
210
215
220
230
240
250
260
261
262
263
264
265
266
267
268
270
280
290

Figure 4B

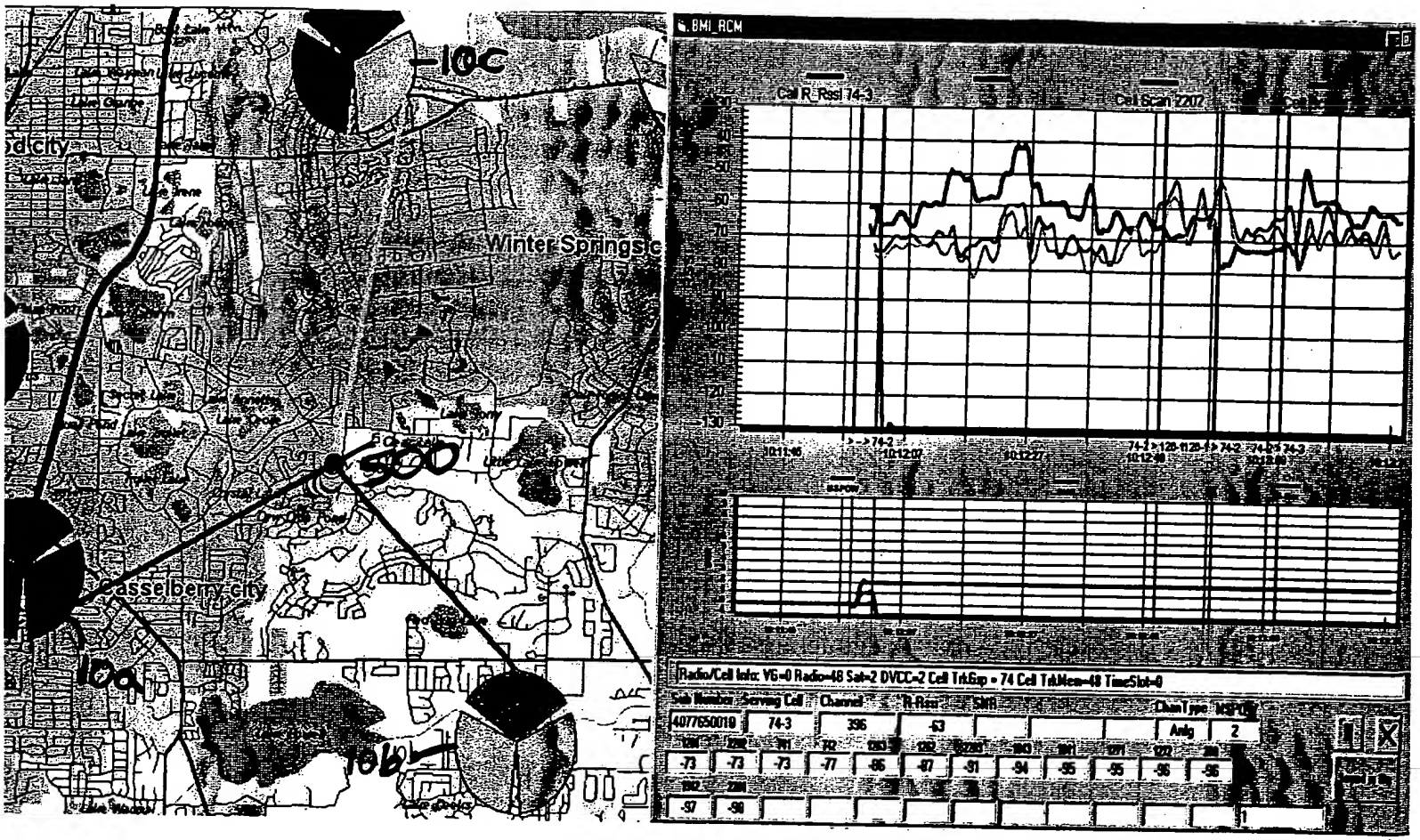
Winter Springs
Casselberry city
500
100
106
BMI_RCM
Call R_Rssi 74-3
Cell Scan ZZ02
Radio/Cell Info: V6=0 Radio=48 Sat=2 DVCC=2 Cell TrfGrp = 74 Cell TrfMeas=48 TimeSlot=0
Sub Number
Serving Cell
Channel
R-Rssi
Sat
ChanType
4077650019
74-3
396
-53
Analg
2

Fig. 5

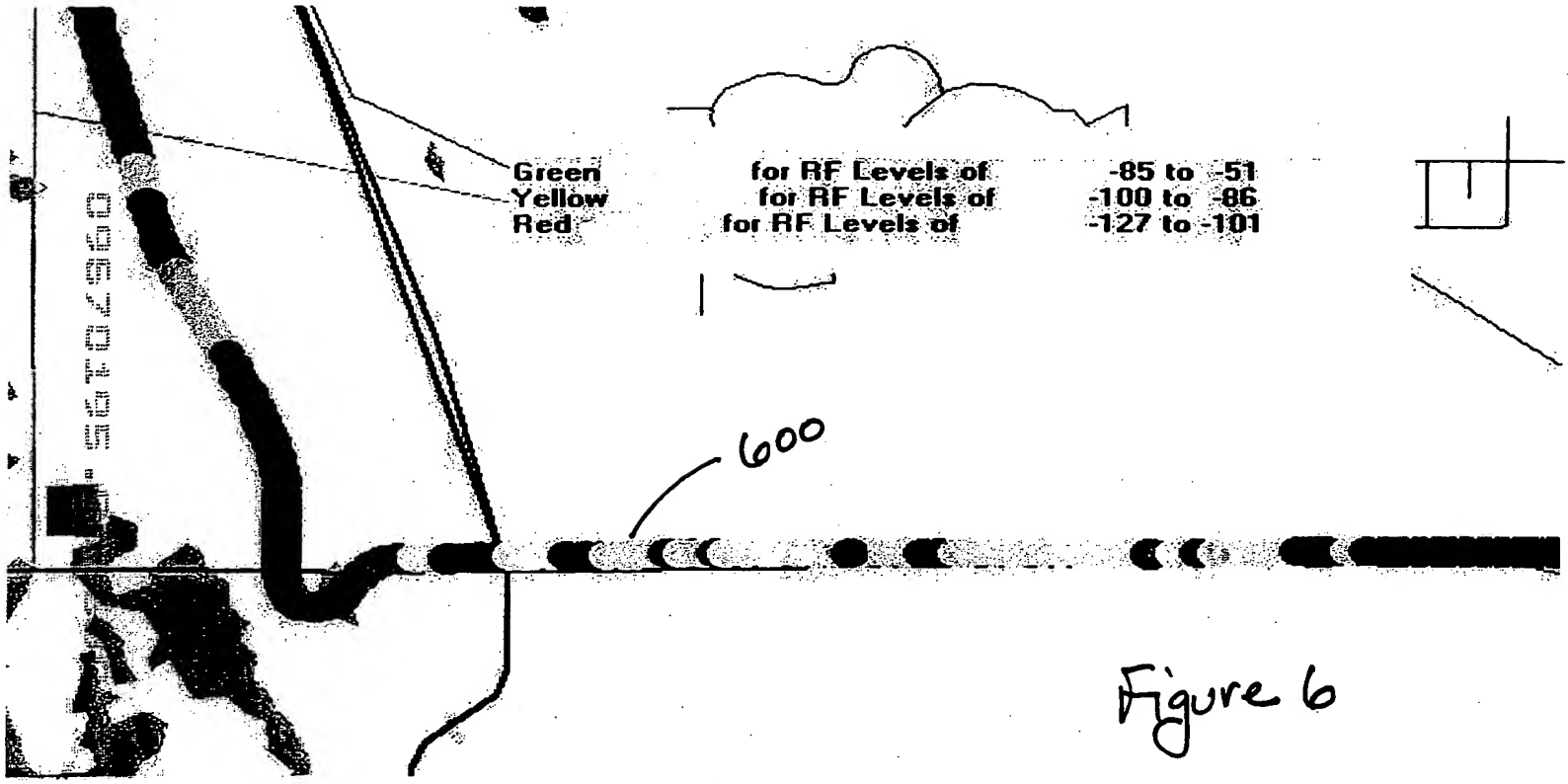
Green for RF Levels of -85 to -51
Yellow for RF Levels of -100 to -86
Red for RF Levels of -127 to -101
600

Figure 6

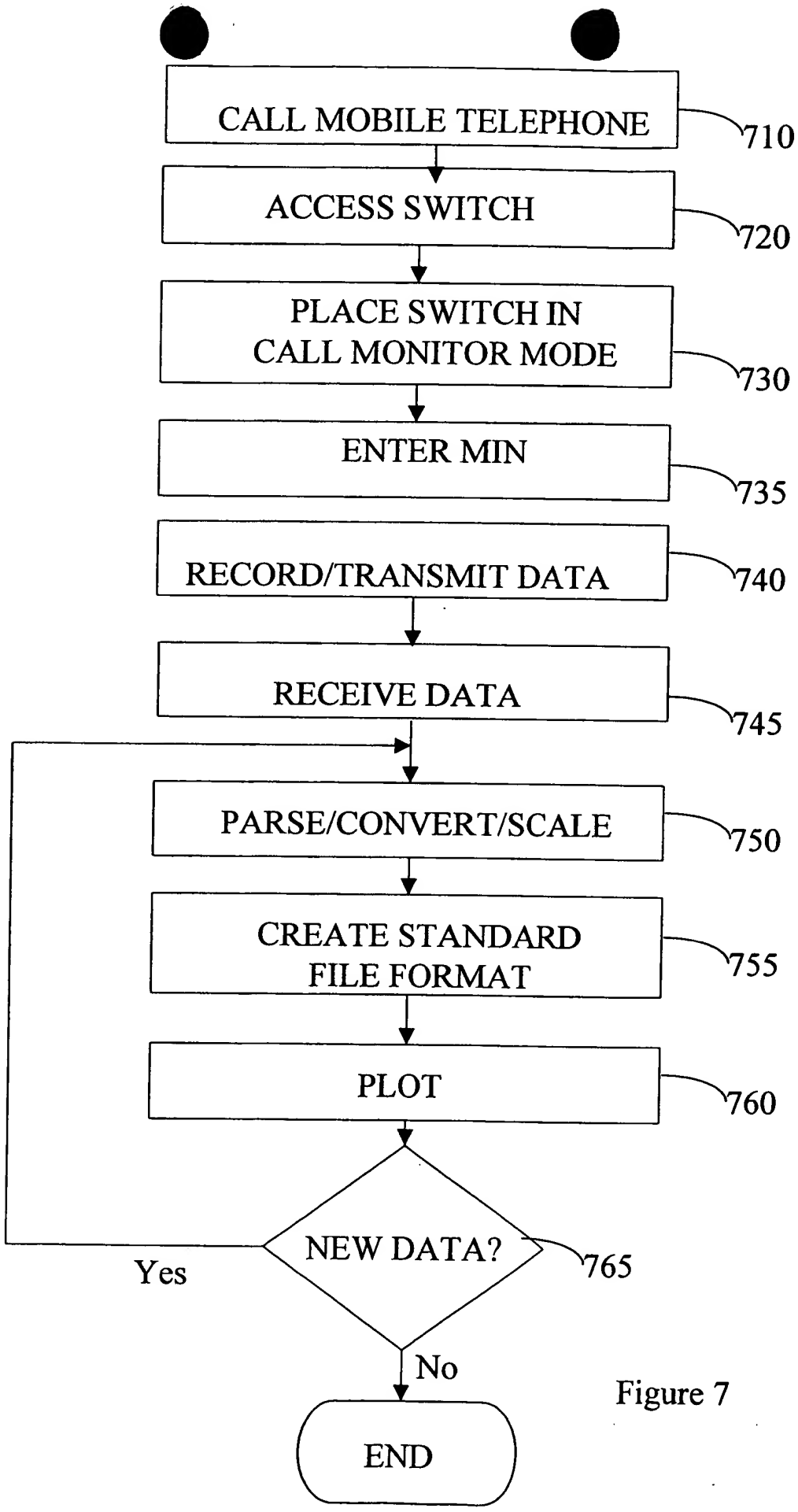
CALL MOBILE TELEPHONE
710
ACCESS SWITCH
720
PLACE SWITCH IN CALL MONITOR MODE
730
ENTER MIN
735
RECORD/TRANSMIT DATA
740
RECEIVE DATA
745
PARSE/CONVERT/SCALE
750
CREATE STANDARD FILE FORMAT
755
PLOT
760
NEW DATA?
765
Yes
No
END

Figure 7